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PTO/SB/05 (2/98)

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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. LAM-P0629

First Inventor or Application Identifier David Cooperberg, et al.

Title Method and Apparatus to Calibrate..

Express Mail Label No. EL575423001US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  \* Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2.  Specification [Total Pages 33]  
(preferred arrangement set forth below)  
 - Descriptive title of the Invention  
 - Cross References to Related Applications  
 - Statement Regarding Fed sponsored R & D  
 - Reference to Microfiche Appendix  
 - Background of the Invention  
 - Brief Summary of the Invention  
 - Brief Description of the Drawings (if filed)  
 - Detailed Description  
 - Claim(s)  
 - Abstract of the Disclosure
3.  Drawing(s) (35 U.S.C. 113) [Total Sheets 5]
4. Oath or Declaration [Total Pages ]  
 a.  Newly executed (original or copy)  
 b.  Copy from a prior application (37 C.F.R. § 1.63(d))  
(for continuation/divisional with Box 17 completed)  
 [Note Box 5 below]  
 i.  DELETION OF INVENTOR(S)  
 Signed statement attached deleting  
 inventor(s) named in the prior application,  
 see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).
5.  Incorporation By Reference (useable if Box 4b is checked)  
 The entire disclosure of the prior application, from which a  
 copy of the oath or declaration is supplied under Box 4b, is  
 considered to be part of the disclosure of the accompanying  
 application and is hereby incorporated by reference therein.

ADDRESS TO: Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

6.  Microfiche Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission:  
(if applicable, all necessary)  
 a.  Computer Readable Copy  
 b.  Paper Copy (identical to computer copy)  
 c.  Statement verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

8.  Assignment Papers (cover sheet & document(s))
9.  37 C.F.R. § 3.73(b) Statement  
(when there is an assignee)  Power of Attorney
10.  English Translation Document (if applicable)
11.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
12.  Preliminary Amendment
13.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)  
 \* Small Entity  Statement filed in prior application,  
 Statement(s)  Status still proper and desired  
 (PTO/SB/08-12)
14.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
15.  Other: ..Transmittal Letter.....

**NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. § 1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. § 1.20).**

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment:

 Continuation    Divisional    Continuation-in-part (CIP)   of prior application No. \_\_\_\_\_

Prior application Information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

**18. CORRESPONDENCE ADDRESS**
 Customer Number or Bar Code Label \_\_\_\_\_ or  Correspondence address below  
(Insert Customer No. or Attach bar code label here)

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Name (Print/Type)	David B. Ritchie	Registration No. (Attorney/Agent)	31,562
Signature			
Date	6/30/2000		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

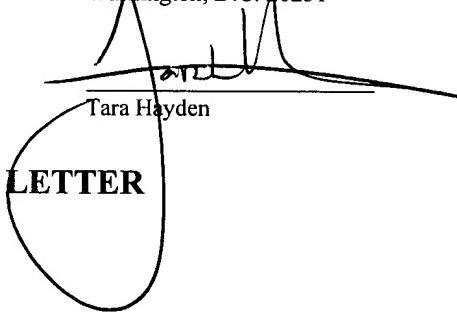
In re Application of: } Art Unit:  
Cooperberg, et al. } Examiner:  
Serial No. [Not yet assigned] }  
Filed: June 30, 2000 }  
For: METHOD AND APPARATUS TO }  
CALIBRATE A SEMI-EMPIRICAL }  
PROCESS SIMULATOR }

**CERTIFICATE OF MAILING**

"Express Mail" mailing label no: EL575423001US  
Date of Deposit: June 30, 2000

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to:

Box Patent Application  
Assistant Commissioner for Patents  
Washington, D.C. 20231

  
Tara Hayden**TRANSMITTAL LETTER**

Honorable Assistant Commissioner  
for Patents  
Box Patent Application  
Washington, D.C. 20231

Dear Sir:

Enclosed for filing please find the patent application for an invention entitled,  
"METHOD AND APPARATUS TO CALIBRATE A SEMI-EMPIRICAL PROCESS  
SIMULATOR", filed on behalf of LAM Research Corporation, assignee from inventors  
David Cooperberg, Richard A. Gottscho, and Vahid Vahedi, including Utility Patent

Application Transmittal, 25 pages of specification, 7 pages of claims, 5 sheets of drawing figures, and one page of Abstract.

The attorney's Docket Number is LAM-P0629.

Kindly address all communications regarding this application to:

David B. Ritchie  
D'Alessandro & Ritchie  
P.O. Box 640640  
San Jose, CA 95164-0640  
Telephone (408) 441-1100

No fee is being paid at this time.

Respectfully submitted,  
D'ALESSANDRO & RITCHIE

\_\_\_\_\_  
David B. Ritchie  
Reg. No. 31,562

Dated: June 30, 2000

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